

PATENT
Docket No: ST00027USU (129-US-U1)
Serial No.: 10/020,349

REMARKS

STATUS SUMMARY

Claims 1-6 are pending in the present application. Claims 1-6 are rejected. In this paper, Applicants have amended independent claims 1 and 5. Applicants have considered the above-identified Office action and cited references, and reply as set forth below to place the application in condition for allowance.

CLAIM REJECTIONS - 35 U.S.C. § 103

Claims 1-6 are rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent No. 6,081,702 to Serfaty et al. ("Serfaty") in view of U.S. Patent No. ("Krasner '336"). Applicants respectfully traverses this rejection in view of the discussion below.

Applicant respectfully maintain that Serfaty is not properly combinable with Krasner '336 in a manner that would arrive at the invention claimed in either of independent claims 1 or 5. Serfaty teaches a non-GPS RF receiver that compensates for error due to interference or Rayleigh fading. In Serfaty, the error estimator outputs a stream of binary numbers representing perceived error estimates, filters this stream to find the median value, and then utilizes this median value as the error fed to the local oscillator. Krasner '336 teaches a mobile GPS receiver that receives a precision carrier frequency signal from a basestation, locks to the precision carrier frequency signal, and provides a reference signal. The reference signal is utilized to calibrate a local oscillator that is utilized to acquire GPS signals.

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Based on the fact that Krasner '336 discloses a GPS receiver, the Examiner contends that "it would have been obvious . . . to modify Serfaty's system to provide for [a] GPS receiver for processing signals as this arrangement would provide means to receive and process GPS signals as [taught] by Krasner." Applicants respectfully submit that sufficient evidence has not been shown that knowledge of GPS receivers such as taught by Krasner '336 could successfully be applied in Serfaty's error estimator/median filter system to arrive at the invention claimed in the present application. The application of Serfaty's system to the processing of GPS signals is not enabled by the teaching of Krasner '336.

Moreover, Applicants have amended independent claims 1 and 5 such that the recited "reference signal" is a "discrete, non-continuous reference signal." None of Serfaty, Krasner '336, or their combination specifically teaches or suggests the use of such a signal for estimating frequency errors or calibrating a local oscillator.

In view of the foregoing, Applicants respectfully submit that claims 1-6 are patentable over the combination of Serfaty and Krasner '336, and therefore respectfully request that this rejection be withdrawn.

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CONCLUSION

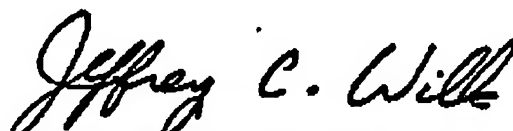
In light of the above remarks, it is respectfully submitted that the present application is now in proper condition for allowance, and an early notice to such effect is earnestly solicited.

If any small matter should remain outstanding after the Patent Examiner has had an opportunity to review the above Remarks, the Patent Examiner is respectfully requested to telephone the undersigned patent attorney in order to resolve these matters and avoid the issuance of another Office Action.

Respectfully submitted,
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